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SCREW WITH A PLURALITY OF HELIX ANGLES AND MOLD DEVICE FOR FORMING THE SAME

Field of the invention

The present invention relates to screws, and particular to a screw with a plurality of helix angles and a mold device for forming the screw.

Background of the invention

The prior art screw has thread with unique orientation. With reference to Fig. 12, an operation about screwing a prior art screw is illustrated. It is illustrated that the screw is screwed into a work piece with a constant orientation. It results that the screw is tightly clamped by the work piece so that the friction force is larger and thus the screwing work is difficult. When the screw is longer, the difficulty in locking the screw is enhanced.

Summary of the invention

Accordingly, the primary object of the present invention is to provide a screw with a plurality of helix angles which comprises a first section having a first thread with a first helix angle, at least one third section having a second thread with a second screwing angle; and a fifth section having a first thread with a first helix angle. The second helix angle is equal or not equal to the first helix angle. Moreover, screw further comprises a second section connected between the first section and the third section; the second section having a fourth thread with a fourth helix angle; a fourth section connected between the third section and the fifth angle;